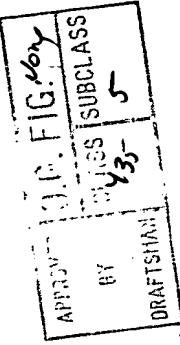


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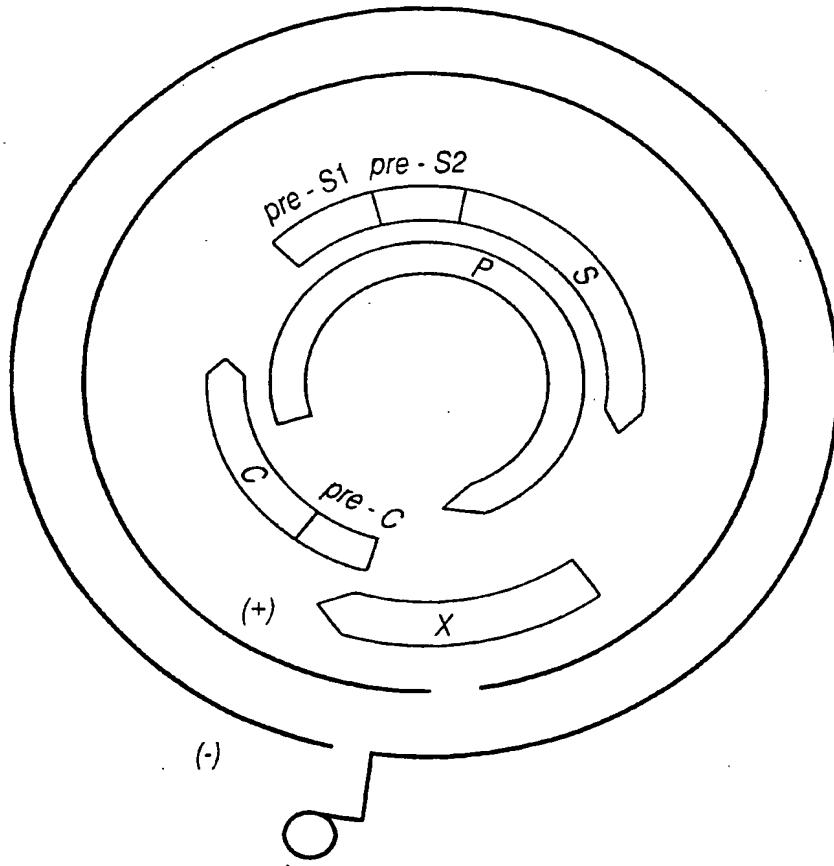


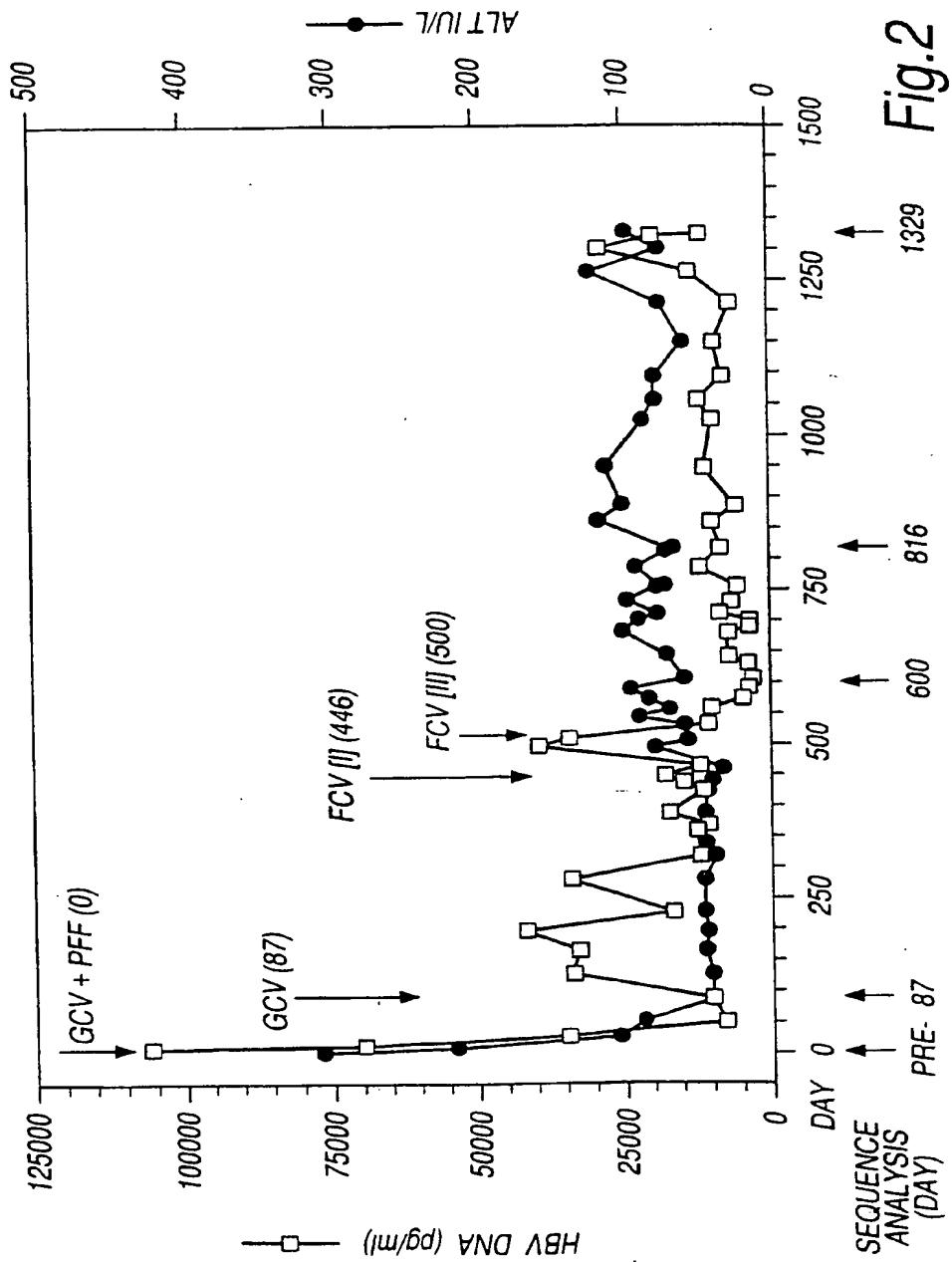
Fig. 1

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APPROV.	10. G. T. G.
CLASS	SUBCLASS
BW	
	DRAFTSMAN



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APPLIED	0.0. FIG.
B7	C 435
SUBCLASS	
DRAFTSMAN	

DOMAIN A	
	(421) (437)
HBV (Pre-treatment)	SDL SWL SLDV SAAFYH
HBV (Post-treatment)	SDL SWL SLDV SAAFYH
WHV	TDL QWL SLDV SAAFYH
HIV	KKK SVT VLDV GDAYFS

DOMAIN B	
	(498) (505) (519) (526) (529)
HBV (Pre-treatment)	QTFGRKLHLHLYSHPII LGFRKIPMGVGLSPFLLA QFTSAICS
HBV (Post-treatment)	QTFGRKLHLHLYSHPII LGFRKIPMGVGLSPFLLA QFTSAICS
WHV	KTYGRKLHLAHPFIMGFRKL FGMGVGLSPFLLA QFTSALAS
HIV	----- RYQYNVL P QGWKGSPAIFQSSMTKILE

TTIGREMLL - ATREYYHAR - - - - - WAAFEQLLADF - - PEAA

DOMAIN C	
	(546) (556)
HBV (Pre-treatment)	AFSYMDDVVLG
HBV (Post-treatment)	AFSYMDDVVLG
WHV	VFAYMDDLVLG
HIV	IYQYMDDLYVG

Fig. 3

APPROVED	O.C. FIG.
BY	CLASS
DRAFTSMAN	

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DOMAIN A				
421	430	440	450	
<u>S^N_DLSWLSLD VSAAFYH^I_PPL HPAAMPPLL^I_V GSSGL^S_DRYVA</u>				
460	470	480	490	
<u>RLSS^T_NS^R_{NNI}*N NYH^H_Y^G_R***D_NLH D_S_NYCSR^N_QLYVS L_MLLY^K_QT^Y_FG^R_W</u>				
DOMAIN B				
500	510	520	530	
<u>KLHL^Y_LS^AHPI^I_V LGFRK^I_LPMG^V_G GLSPFLLAQF TSAI^C_LS_MV_TR_CR</u>				
DOMAIN C				
540	550	560		
<u>AF^F_PHCL^A_VF^S_AY MDD^V_LMVLGA^K_RS_T V^Q_GE^H_SRE^S_FLF^T_YA_S</u>				
DOMAIN D				
570	580	590	600	
<u>V^T_IC_SS^F_VLL^S_DVGI HLN^N_QKTKRW GYSLNFMGY^V_II G</u>				

Fig. 4

APPROV.	10.6. FIG.
BY:	CLASS SUBCLASS
DRAFTSMAN	

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DOMAIN B
(509) (512) (519) (526) (533)

$^S_A H P I ^I_V L G F R K ^I_L P M G ^V_G G L S P F L L A Q F T S A I C S$

HBV (consensus)

HBV (patient A) QTFGRKHLHYSHPIIL GFRKIPMGLGLSFLMAQFTSAICS
 HBV (patient B) QTFGRKHLHYSHPIIL GFRKIPMGVGLSPFLMAQFTSAICS
 HBV (3TC 1) QTFGRKHLHYSHPIIL GLRKIPMGVGLSPFLMAQFTSAICS
 HBV (patient C - FCV) QTFGRKHLHYSHPIYL GFRKIPMGVGLSPFLLAQFTSALCS

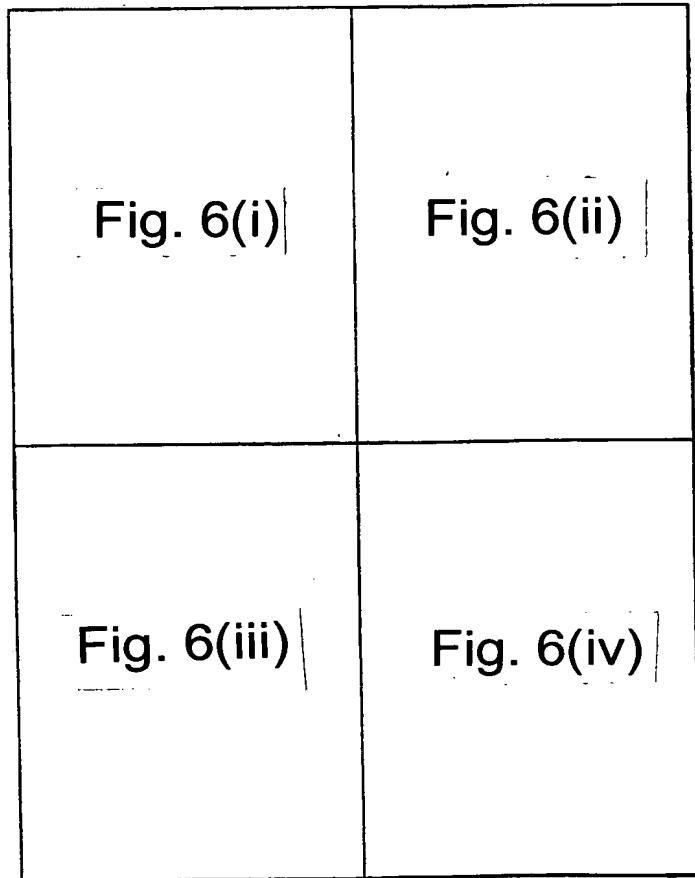
DOMAIN C

550 (559)
 $^A_V F_S ^A Y M D D ^V ^L M ^V L G A ^K ^S _R _T$
 AFSYMDD V VLG
 AFSYMDD V VLG
 $^A F S Y ^V _I D D ^V ^V L G$
 AFSYMDD V VLG
 AFSYMDD V VLG
 AFSYMDD V VLGAKT

Fig.5

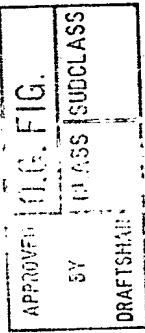
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APPROVED	O.G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

*Fig.6*

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* * * * *

pol	TCTTCCAATT	TGTCCCTGGTT	ATCGCTGGAT
	S S N	L S W	L S L D
HBsAG	L P I	C P G	Y R W M

* * * * *

	CATCCTGCTG	CTATGCCTCA	TCTTCTTATT
	H P A	A M P H	L L I
	I L L	L C L I	F L L

* * * * *

	CGTTTGTCCCT	CTAATTCCAG	GATCAACAAAC
	R L S	S N S R	I N N
	V C P	L I P	G S T T

* * * * *

	AGGCAACTCT	ACGTTTCCCT	CATGTTGCTG
	R Q L	Y V S L	M L L
	G N S	T F P	S C C C

* * * * *

	TATTCCCATC	CCATCGTCCT	GGGCTTTCGC
	Y S H	P I V L	G F R
	I P I	P S S	W A F A

Fig.6 (i)

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APPROVED	O. G. FIG.
CLASS	SUBCLASS
BY	DRAFTSMAN

 GTGTCTGC_{GG} CGTTTATCA TATT_CCTCTT
 V S A A F Y H I P L>
 C L R R F I I F L F>

 GGTTCTTCTG GATTATCAAG GTATGTTGCC
 G S S G L S R Y V A>
 V L L D Y Q G M L P>

 AACATGC_{AAA} ACCTGCACGA CTCCTGCTCA
 N M Q N L H D S C S>
 T C K T C T T P A Q>

 TACAAAACCT ACGGAGAGAA ATTGCACCTG
 Y K T Y G E K L H L>
 T K P T E R N C T C>

 AAAATACCTA TGGGAGTGGG CCTCAGTCCG
 K I P M G V G L S P>
 K Y L W E W A S V R>

Fig.6 (ii)

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* * * * *

TTTCTCTTGG CTCAGTTAC TAGTGCCATT
 F L L A Q F T S A I
 F S W L S L L V P F

* * * * *

TGTTTGGCTT TCAGCTATAT GGATGATGTG
 C L A F S Y M D D V
 V W L S A I W M M W

* * * * *

GAGGCCCTTT ATACCGCTGT TACCAATT
 E A L Y T A V T N F
 R P F I P L L P I F

* * * * *

AACAAAACAA AAAGATGGGG TTATTCCCTA
 N K T K R W G Y S L
 T K Q K D G V I P *

* * *
 GGAACATTGC
 G T L X>
 E H C>

Fig.6 (iii)

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APPROVED	U.S. FIG.
BY	CLASS
DRAFTSMAN	

* * * * *
 TGTTCAAGTGG TTCGTAGGGC TTTCCCCCAC
 C S V V R R A F P H>
 V Q W F V G L S P T>

 * * * * *
 GTATTGGGGG CCAAGTCTGT ACAGCATCGT
 V L G A K S V Q H R>
 Y W G P S L Y S I V>

 * * * * *
 CTTTTGTCTC TGGGTATACA TTTAAACCCCT
 L L S L G I H L N P>
 F C L W V Y I * T L>

 * * * * *
 AACTTCATGG GTTACATAAT TGGAAGTTGG
 N F M G Y I I G S W>
 T S W V T * L E V G>

Fig.6 (iv)